

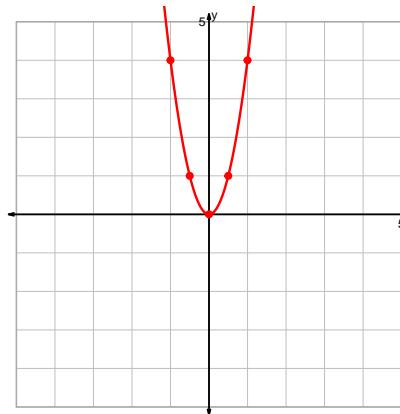
NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

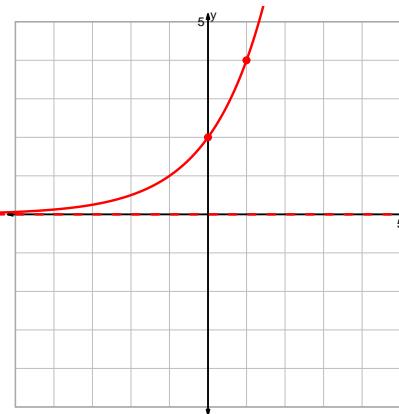
**Unit-2 Reduced Mastery Assessment (version 315)****Question 1 (20 points)**

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

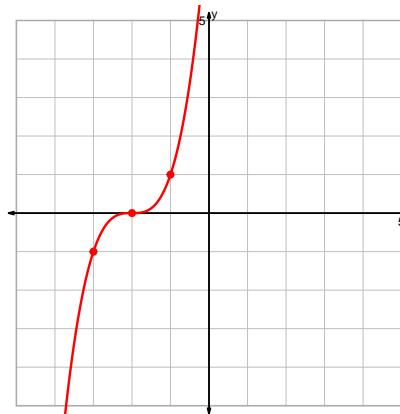
$$y = (2x)^2$$



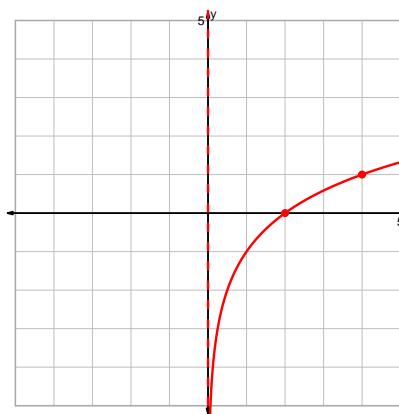
$$y = 2 \cdot 2^x$$



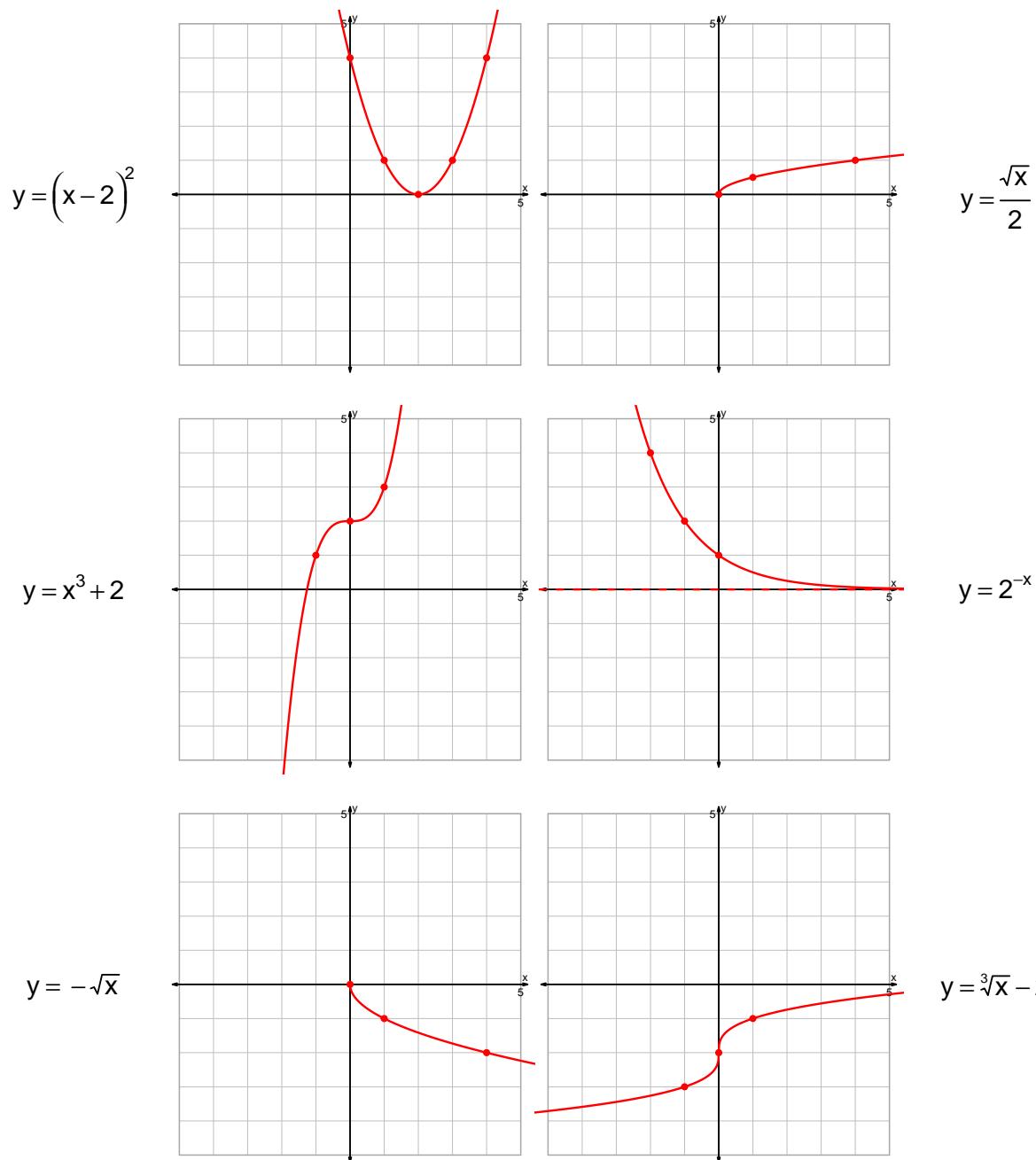
$$y = (x+2)^3$$



$$y = \log_2\left(\frac{x}{2}\right)$$

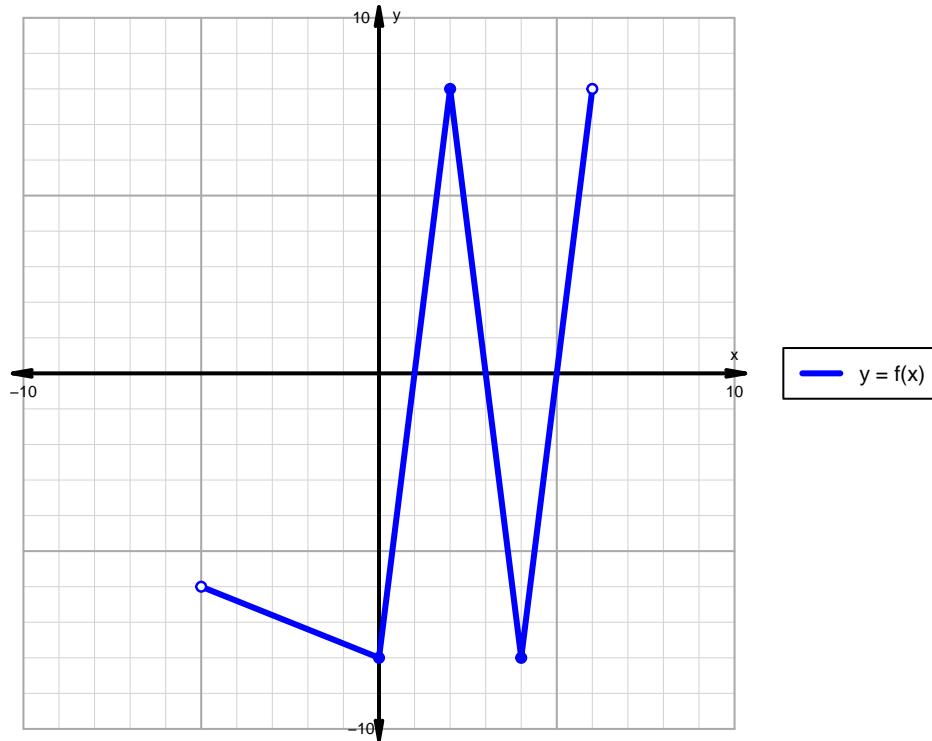


Question 2 continued...



**Question 2 (20 points)**

A function is graphed below.



Indicate the following intervals using interval notation.

Feature	Where
Positive	(1, 3) $\cup$ (5, 6)
Negative	(-5, 1) $\cup$ (3, 5)
Increasing	(0, 2) $\cup$ (4, 6)
Decreasing	(-5, 0) $\cup$ (2, 4)
Domain	(-5, 6)
Range	(-8, 8)